CLAIMS

1. A kit for implanting in a duct (12), the kit being of the type comprising:

- a tubular endoprosthesis (14); and
- a prosthetic valve (16; 116; 216);

the kit being characterized in that the prosthetic valve is for implanting removably in the tubular endoprosthesis (14) and comprises firstly a carrier frame (22; 122; 222) that is radially deformable in elastic manner relative to a main axis (X-X) between a deployed implanted position and a folded, implanting position, which carrier frame (22; 122; 222) is urged resiliently towards its deployed position, and secondly a flexible shutter (24; 124; 224) connected to the carrier frame (22; 122; 222) and deformable between an obstruction position in which it is extended transversely, and a release position in which it is contracted transversely under the action of the flow passing through the carrier frame (22; 122; 222), the valve (16; 116; 216) including integrated centripetal compression means (26A, 26B, 122, 126A, 126B, 126C; 226) for compressing said carrier frame (22; 122; 222) towards its folded position against the resilient action.

2. A kit according to claim 1, characterized in that said shutter comprises a pouch (24; 124; 224).

3. A kit according to claim 2, characterized in that the pouch (24; 124; 224) includes an evacuation orifice (40) formed in its end wall (38).

4. A kit according to claim 2 or claim 3, characterized in that the end wall (38) of the kit (24; 124; 224) is generally hemispherical.

5. A kit according to any preceding claim, characterized in that the centripetal compression means comprise a

clamp having at least two branches (26A, 26B; 126A, 126B, 126C) connected together in a common region (28; 128), each branch being connected to said shutter (24, 124) in a connection segment (30A, 30B), each of the branches (26A, 26B; 126A, 126B, 126C) presenting a drive segment (32A, 32B) suitable for co-operating with a complementary clamping member for centripetally compressing the carrier frame towards its folded position.

6. A kit according to claim 5, characterized in that the branches (26A, 26B; 126A, 126B, 126C) are welded together in their common region (28, 128), and the carrier frame (22, 122) is fork-shaped, each branch being elastically deformable, the drive segments (32A, 32B) and the connection segments (30A, 30B) for connecting the branches to the shutter both being situated on the same side of the weld.

7. A kit according to claim 5 or claim 6, characterized in that the carrier frame (122) has two branches (26A, 26B).

8. A kit according to claim 5 or claim 6, characterized in that the carrier frame (122) has three branches (126A, 126B, 126C).

9. A kit according to any one of claims 2 to 4 and any one of claims 5 to 8, characterized in that the valve (16; 46; 216) includes threads (42) connecting the end wall (40) of the pouch to each of the branches (26A, 26B; 126A, 126B, 126C).

10. A kit according to any one of claims 1 to 4, characterized in that the carrier frame (222) comprises a resilient wire mesh (222) and said centripetal compression means comprise a constriction strand (226) engaged around said resilient wire mesh (222).

11. A prosthesis implanted from a kit according to any preceding claim, the tubular endoprosthesis (14) being against the inside surface of a duct (12), the prosthetic valve (16; 116; 216) being disposed in said tubular endoprosthesis (14).